Signature

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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 8028-39 (SPX200211-0051US

First Inventor IL-Goo KIM

Title Method of Forming a Via Contact Structure....

EV 413369784 US Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1.53(b)) Assistant Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: Box Patent Application Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 24 Specification [Total Pages 3. [X] Computer Readable Form (CRF) (preferred arrangement set forth below) - Descriptive title of the invention Specification Sequence Listing on: - Cross Reference to Related Applications i. CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention Brief Summary of the Invention
Brief Description of the Drawings (if filed) **ACCOMPANYING APPLICATION PARTS** - Detailed Description Assignment Papers (cover sheet & document(s)) - Claim(s) 37 CFR 3.73(b) Statement Power of - Abstract of the Disclosure 10 Attorney (when there is an assignee) 11. English Translation Document (if applicable) Drawing(s) (35 U.S.C. 113) [Total Sheets Copies of IDS Information Disclosure 12. 5. Oath or Declaration [Total Pages Citations Statement (IDS)/PTO-1449 Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed) 13. Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) DELETION OF INVENTOR(S) _{15.} | X | Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent ard Payment Form PTO-2038 Application Data Sheet. See 37 CFR 1.76 17. X Otherfor \$968.00 & \$40.00..... 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.:___ Prior application information. Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS 6 34 A 4 4 Correspondence address below Customer Number or Bar Code Label (Insert Customer No. or Allach bar code label here) Frank Chau, Esq. Name F. CHAU & ASSOCIATES, LLP 1900 Hempstead Turnpike Address New York State 11554 City East Meadow Zip Code USA Telephone 516-357-0091 516-357-0092 Country Fax Thomas W. McNally 48,609 Name (Print/Type) Registration No. (Attorney/Agent)

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL			Complete if Known				
# LEC IKANO	_ Applic	cation Number					
∮ for FY 2003			Date	December 30, 2003			
Effective 01/01/2003. Patent fees are sub		First Named Inventor		r IL-Goo KIM			
T	•	Exam	niner Name				
Applicant claims small entity status. S	 	Art Uı	nit				
TOTAL AMOUNT OF PAYMENT	(\$) 1,008.00	Attorr	ney Docket No.	8028-39 (SPX200211-0051US)			
		FEE CALCULATION (continued)					
METHOD OF PAYMENT (check	all that apply)		FEE C	CALCULATION (continued)			
Check Credit card Money Order Deposit Account:	Other None 3	arge Entity Fee Fee	FEE CONAL FEES Small Entity Fee Fee Code (\$)		Fee Paid		
Check Credit card Money Order Deposit Account:	Other None 3	arge Entity Fee Fee Code (\$) 1051 130	ONAL FEES Small Entity Fee Fee Code (\$) 2051 65 Su 2052 25 Su cov		Fee Paid		

Name				1053	130	1053	130	Non-English specification	
The Commissioner is authorized to: (check all that apply)					2.520			For filing a request for ex parte reexamination	,
Charge fee(s) indicated below Credit any overpayments				1804	920*			· ·	
Charge any	y additional fee	(s) during the pendency o	f this application	1804	920	1804	920-	Requesting publication of SIR prior to Examiner action	ļ
Charge fee	(s) indicated b	elow, except for the filing	g fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after	
to the above-id	lentified depos	it account.						Examiner action	h
	FEE (CALCULATION		1251	110	2251	55	Extension for reply within first month	
1. BASIC F	II ING FFF		-	1252	410	2252	205	Extension for reply within second month	
arge Entity				1253	930	2253	465	Extension for reply within third month	
	Fee Fee Code (\$)	Fee Description	Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	
٠,	2001 375	Utility filing fee	[770.00]	1255	1,970	2255	985	Extension for reply within fifth month	
1002 330	2002 165	Design filing fee	770.00	1401	320	2401	160	Notice of Appeal	
1003 520	2003 260	Plant filing fee		1402	320	2402	160	Filing a brief in support of an appeal	
1004 750	2004 375	Reissue filing fee		1403	280	2403	140	Request for oral hearing	
1005 160	2005 80	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
		SUBTOTAL (1) (\$) 7	770.00	1452	110	2452	55	Petition to revive - unavoidable	
				1453	1,300	2453	650	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE				1501	1,300	2501	650	Utility issue fee (or reissue)	
		Extra Claims below	Fee Paid	1502	470	2502	235	Design issue fee	
Total Claims)** = 11 X 18	<u>= 198</u>	1503	630	2503	315	Plant issue fee	
Independent Claims	2 - 3			1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent 290 =0			1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)		
Large Entity				1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Description	_	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 1201 84	2202 2201 4	9 Claims in excess of 22 Independent claims in		1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280	2203 14	Multiple dependent cla	aim, if not paid	1810	750	2810	375	For each additional invention to be	

	150	03 630	2503 315	5 Plant issue fee	
Claims	86 =0 146	60 130	1460 130	0 Petitions to the Commissioner	
Multiple Dependent	290 = 10 180	07 50	1807 50	0 Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity	180	06 180	1806 180	0 Submission of Information Disclosure Stmt	<u> </u>
Fee Fee Code (\$) Code (\$) Code (\$)	802	21 40	8021 40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 2202 9 Claims in excellent 1201 84 2201 42 Independent of	taims in excess of 3	09 750	2809 375	5 Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280 2203 140 Multiple deper	ndent claim, if not paid 181	10 750	2810 375	5 For each additional invention to be	
	lependent claims	İ		examined (37 CFR 1.129(b))	
over origina	patent 18	301 750	2801 375	5 Request for Continued Examination (RCE)	İ
1205 18 2205 9 ** Reissue cla and over ori		900	1802 90	Request for expedited examination of a design application	
SUBTOTAL (2)	[(%) 130.00 [her fee (spe	• • • • • • • • • • • • • • • • • • • •		
**or number previously paid, if greater; For I		educed by b	Basic Filing F	ee Paid SUBTOTAL (3) (\$) 40.00)

SUBMITTED BY		(Comple	(Complete (if applicable) Telephone 516-357-0091		
Name (Print/Type) Thomas W.Me.Nally		Registration No. (Attorney/Agent) 48,609			
Signature	14411111		Date	30 December 2003	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Atty. Docket No. 8028-39 (SPX200211-0051US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAIL STOP PATENT APPLICATIONS Commissioner for Patents PO BOX 1450 Alexandria VA 22313-1450

	UTILITY APPLICATION FEE TRANSMITTAL					
Sir:						
Transmitted her	rewith for filing is the patent application of					
Inventor(s):	IL-Goo KIM, Sang-Rok HAH					
For:	METHOD OF FORMING A VIA CONTACT STRUCTURE USING A DUAL DAMASCENE TECHNIQUE					
Enclosed are:						
[X] <u>13</u>	page(s) of specification					
[X] <u> </u>	page(s) of Abstract					
[X] <u>10</u>	page(s) of claims					
[X] <u>6</u>	sheets of drawings [X] formal [] informal					
[X]2	page(s) of Declaration and Power of Attorney					
[X] An Assignme	ent of the invention to: Samsung Electronics Co., Ltd.					
	CERTIFICATION UNDER 37 C.F.R. § 1.10					
-	that this New Application Transmittal and the documents					
	closed therein are being deposited with the United States this date December 30 , 2003 in an envelope as "Express Mail					
	dressee" Mail Label Number EV 4133693784US addressed to:					
	Patents, PO Box 1450, Alexandria VA 22313-1450.					
	Thomas W. McNally					

(Type or print name of person mailing paper) (Signature of person mailing paper)

[]			the benefit unnal Application		
	APPLICATION	NO(S).:	FI	LING DATE	
	/				
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[X]	Certified co	py of applica	tions		
<u>Coun</u>		Appln. No.		<u>led</u>	
<u>Kore</u>	a	2003-14122	6 1	March 2003	
from is claime		ity under Tit	le 35 United	States Code	e, § 119
	[X] is enclo	osed.			
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[]	claims remainary	ining as a rea	re to be base sult of the a 'Y APPLICATION	ttached	umber of
	Number	Number		Ва	sic Fee
<u>For</u> Total	Filed	Extra	Rate	\$\$	770.00
Claims*	31 -20	0 = 11	x \$ 18.00	\$	198.00
Independe	ent				2.2
<u>Claims</u> Multiple	[] yes	= 0 Add'l. Fe		<u> </u>	.00
Dependent					
Claims	[x] no	Add'l. Fe	e None	= \$	
		-	•	TOTAL <u>\$</u>	968.00
C.F.	R. § 1.27.		Status Under under 37 C.F.		
*Include	des all independent a	nd single dependent cl	aims and all claims re	eferred to in mult	inlo olaime

- [X] Please charge fee of \$40.00 For recording the attached Assignment by Credit Card Payment Form PTO-2028 enclosed herewith.
- [X] Please charge fee of \$968.00 to cover the filing fee by Credit Card Payment Form PTO-2038 enclosed herewith.
- [] Charge fee to Deposit Account No. <u>50-0679</u>. Order No. <u>50-0679</u>. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.
- [X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: 30 December 2003

SIGNATURE OF ATTORNEY
THOMAS W. McNally
Reg. No. 48,609

F. CHAU & ASSOCIATES, LLP 1900 Hempstead Turnpike Suite 501 East Meadow, New York 11554 Tel. No. (516) 357-0091 Fax. (516) 357-0092

FC/TWM:mel